

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Previously Presented) An injector for gaseous fuel, the injector comprising:
 - a body comprising:
 - a chamber of the body in which there is mounted a valve member and an actuator means for actuating the valve member between a closed position and an open position, in which the valve member defines a fuel flow section;
 - a fuel feed duct; and
 - a fuel delivery duct,
 - wherein the fuel feed duct and the fuel delivery duct open out into the chamber of the body,
 - wherein the fuel delivery duct comprises a calibrated segment having a cross-sectional area smaller than the fuel flow section defined by the valve member when the valve member is in the open position.
2. (Original) An injector according to claim 1, wherein the fuel delivery duct comprises a frustoconical segment extending from the chamber to the calibrated section, tapering towards the calibrated section.
3. (Previously Presented) An injector according to claim 2, wherein the frustoconical segment has an angle at the apex of the frustoconical segment of less than 55°.
4. (Original) An injector according to claim 1, wherein the fuel delivery duct is arranged to obtain a flow speed of fuel in the calibrated segment that is substantially sonic.

5. - 21. (Canceled)

22. (Previously Presented) An injector for gaseous fuel, the injector comprising:

a body comprising

a chamber of the body in which there is mounted a valve member and an actuator means for actuating the valve member between a closed position and an open position in which the valve member defines a fuel flow section when in the open position;

a fuel feed duct; and

a fuel delivery duct,

wherein the fuel feed duct and the fuel delivery duct open out into the chamber of the body,

wherein the fuel delivery duct comprises a calibrated segment having a cross-sectional area smaller than the fuel flow section defined by the valve member when the valve member is in the open position, and

wherein the fuel delivery duct comprises a frustoconical segment extending from the chamber to the calibrated section, tapering towards the calibrated section.

23. (Previously Presented) An injector for gaseous fuel, the injector comprising:

a body comprising

a chamber of the body in which there is mounted a valve member and an actuator means for actuating the valve member between a closed position and an open position in which the valve member defines a fuel flow section;

a fuel feed duct; and

a fuel delivery duct,

wherein the fuel feed duct and the fuel delivery duct open out into the chamber of the body,

wherein the fuel delivery duct comprises a calibrated segment having a cross-sectional area

smaller than the fuel flow section defined by the valve member is in the open position,

wherein the fuel delivery duct comprises a frustoconical segment extending from the

chamber to the calibrated section, tapering towards the calibrated section, and

wherein the frustoconical segment has an angle at the apex of the frustoconical segment of

less than 55°.

24. (Currently Amended) An injector for gaseous fuel, the injector comprising:

a body comprising

a chamber of the body in which there is mounted a valve member and an actuator means for

actuating the valve member between a closed position and an open position in which the

valve member defines a fuel flow section;

a fuel feed duct;

and a fuel delivery duct,

wherein the fuel feed duct and the fuel delivery duct open out into the chamber of the body,

and

wherein the fuel delivery duct comprises a calibrated segment ~~of section~~ having a cross-sectional area smaller than the fuel flow section defined by the valve member when the valve member is in the open position, and

wherein the fuel delivery duct is arranged to obtain a flow speed of fuel in the calibrated segment that is substantially sonic.

25. (New) An injector according to claim 1, wherein the delivery duct is formed in an endpiece mounted on the body such that the fuel delivery duct comprises a first end that opens outside the body and a second end that opens out into the chamber.